Quiz # 1

Total Marks: 30

Time Allowed: 25 Minutes

Instructions:

- Answer both questions.
- Your answers should be detailed and reflect an understanding of the concepts from the lectures.
- Manage your time effectively.

Question 1: Effective Information Retrieval and its Foundations (15 Marks) – (CLO-1)

a) Explain the fundamental difference between a **web browser** and a **search engine**. In your answer, describe the three main components of a search engine and its primary function. **[5 Marks]**

b) A student needs to find a peer-reviewed PDF document about the impact of "AI in diagnostic imaging" published on an educational website (.edu). i. Construct a single, effective search query using at least **three advanced search operators** to find this specific information . ii. Explain what each operator in your query does and why your advanced query is superior to simply searching for "AI in diagnostic imaging" . **[10 Marks]**

Question 2: Practical Application of Modern ICT Tools (15 Marks) – (CLO-1)

Imagine a university is transitioning from a fully in-person teaching model to a **hybrid model**, where students will attend some classes on campus and others online. As an ICT consultant, you have been asked to propose a strategy for this transition.

a) Identify and describe **two** potential challenges the university might face in implementing this hybrid model, drawing from the lectures on collaboration platforms . **[5 Marks]**

b) Propose a suite of **three** different types of digital tools (e.g., one for lectures, one for assignments, one for group projects) that could address these challenges and support the new model . Justify why each tool is a suitable choice for its specific purpose in an educational setting . **[10 Marks]**

End of Quiz